

22 December 1965

Subject: ECP GR-35, Contract LP-2264

Dear Chuck,

Item one of this ECP is disapproved by the SPO. We have no evidence that the present control design for the  multiplex switch contributes to excessive failures of these switches. There is one advantage, however, to the present design in that the  multiplex switch operation can be checked without having to turn on the

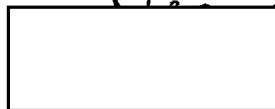
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Item two of this change, re-routing of J-Box wiring is required and approved. We understand that Nat considers this a contractor responsible change. Accordingly, Nat should be requested to submit a revised ECP to cover this no cost portion of the change, unless you think this unnecessary.

Regards,

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SSF-I-1668

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(1 page)  
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AKP-I-4980  
8 December 1965

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TO:

ENCLOSURES: ECP GR-35, 7 copies 11-12-65  
N-R Agreement, Serial G-83 of 10-7-65  
N-R Agreement, Serial G-158 of 12-6-65  
ADP Discrepancy Report No. 87, 10-4-65

Dear Phil:

Submitted for your approval is ECP GR-35, dated 11-12-65. We are proceeding with this change prior to change proposal approval. The Production units will be changed as indicated by GR-35.

The eight (8) Prototype units will be retrofitted by GR technicians. The change to be made to the prototype units include a new relay bracket P/N 531A620-099-1, which will be used in a 531A620-028-101 Relay Assembly that can be mounted into the J-Box on existing mounting hardware.

The total cost for the eight (8) prototype units will be \$1603.90 which includes \$1,178.56 engineering costs. Kit costs will be \$53.16 per unit.

|| No costs have been included for providing that portion of the change associated with the Man 28V DC signal to the Synchronizer in the Programmed mode. ||

Nat  
NAT

N/mj  
encls.

cc:

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partially approved 22 Dec.

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<b>GA - 531</b>		ENGINEERING STUDY <input type="checkbox"/> CHANGE PROPOSAL <input checked="" type="checkbox"/>		<b>GR - 35</b>	
DATE 11-12-65		AFFECTS: GA531A <input type="checkbox"/>			
NAME OF MAJOR COMPONENT System Junction Box		PART OR LOWEST SUBASSEMBLY System Junction Box		PART NO. MODEL OR TYPE 531A620-001-105 No P/N Change	
TITLE OF PROPOSAL: Improve control of multiplex switch and provide Man-Prog Mode compatability for the Synchronizer.					
NATURE OF PROPOSAL: 1. Install 6K12 relay, connector and wiring, and reroute wiring to permit operation of multiplex switch. 2. Reroute wiring in J-Box to provide circuit to Synchronizer for "Man 28V DC" 3. A Mod. No. will be assigned with the incorporation of this change.					
REASON FOR PROPOSAL: 1. Conserve the operating life of the slave multiplex switch and to permit slave multiplex switch only when the <input type="checkbox"/> is switched on. Ref: ADP Eng. Discrepancy Report No. 87. 2. Provide a "Man 28V DC" signal to the Synchronizer Unit in the Programmed Mode as well as the present Manual Mode.  REF: N/R No. G-83.					
<b>ES</b>	ESTIMATED COST AND TIME INVOLVED: ADDITIONAL FUNDING REQUIRED:				
<b>CP</b>	ESTIMATED COST FOR KITS OR PARTS: \$33.23 ADDITIONAL FUNDING REQUIRED: \$4547.77 (includes \$3,783.34 Engineering)				
ITEMS AFFECTED BY PROPOSAL: Units S/N 6051-9 thru -20 will be retrofitted. Production units S/N 6051 and Subs in line.					
SAFETY <input type="checkbox"/>	MISSION EFFEC- TIVENESS <input type="checkbox"/>	PERFORM- ANCE <input type="checkbox"/>	OPERATING PROCEDURE <input checked="" type="checkbox"/>	INTER- CHANGE- ABILITY <input type="checkbox"/>	WEIGHT OR WEIGHT AND BALANCE <input type="checkbox"/>
				TOOLS AND SUPPORT EQUIPMENT <input type="checkbox"/>	MAINTENANCE PROCEDURE <input checked="" type="checkbox"/>
				SERVICE LIFE <input checked="" type="checkbox"/>	FLIGHT MANUAL <input type="checkbox"/>
					MAINTENANCE MANUAL <input checked="" type="checkbox"/>
ESTIMATED MAN HOURS REQUIRED TO ACCOMPLISH CHANGE IN FIELD: 8 hours per unit rework time.					
SOURCE OF PARTS FOR KIT: GR			AVAILABILITY <u>6</u> WEEKS AFTER APPROVAL		
DISPOSITION OF SPARES AFFECTED: Spares to be changed to latest configuration. PPB to be changed by change notice to PSO.					
IN					STATINTL (Items 2 + 3 only)

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